State of Nebraska - INVITATION TO BID
CONTRACT

Date	12/11/13	**Page**	1 of 4
Solicitation Number	4585 OF		
Opening Date and Time	01/09/14	2:00 pm	
Buyer	NANCY STORANT (AS)		

Return to:
State Purchasing Bureau
1526 K St. Suite 130
Lincoln, Nebraska 68508
OR
P.O. Box 94847
Lincoln, NE 68509-4847
Telephone: 402-471-2401
Fax: 402-471-2089

DESTINATION OF GOODS
DEPT OF NATURAL RESOURCES
301 CENTENNIAL MALL S FL 4
LINCOLN NE 68508

Contract to supply and deliver Hydrologic Time-Series Software, Support and Maintenance to the State of Nebraska as per the attached specifications for a one (1) year period from date of award. The contract may be renewed for five (5) additional one (1) year periods when mutually agreeable to the vendor and the State of Nebraska. The State reserves the right to extend the period of this contract beyond the termination date when mutually agreeable to the vendor and the State of Nebraska.

The State may request that payment be made electronically instead of by state warrant. ACH/EFT Enrollment Form can be found at: <http://www.das.state.ne.us/accounting/forms/achenrol.pdf>

The Contractor is required and hereby agrees to use a federal immigration verification system to determine the work eligibility status of employees physically performing services within the State of Nebraska. A federal immigration verification system mean the electronic verification of the work authorization program authorized by the Illegal Immigration Reform and Responsibility Act of 1996, 8 U.S.C. 1324a, known as E-Verify Program, or an equivalent federal program designed by the United States Department of Homeland Security or other federal agency authorized to verify the work eligibility status of a newly hired employee.

The contractor, by signature to the Invitation to Bid, certifies that the contractor is not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded by any federal department or agency from participating in transactions (debarred). The contractor also agrees to include the above requirements in any and all subcontracts into which it enters. The contractor shall immediately notify the Department if, during the term of this contract, contractor becomes debarred. The Department may immediately terminate this contract by providing contractor written notice if contractor becomes debarred during the term of this contract.

If the Contractor is an individual or sole proprietorship, the following applies:
1. The Contractor must complete the United States Citizenship Attestation Form, available on the Department of Administrative Services website at: <http://das.nebraska.gov/lb403/attestation_form.pdf>
2. If the Contractor indicates on such attestation form that he or she is a qualified alien, the Contractor agrees to provide the US Citizenship and Immigration Services documentation require to verify the Contractor's lawful presence in the United States using the Systematic Alien Verification for Entitlements (SAVE) Program.
3. The Contractor understands and agrees that lawful presence in the United States is required and the Contractor may be disqualified or the contract terminated if such lawful presence cannot be verified as required by Neb. Rev. Stat. §4-108.

The contract resulting from the Invitation to Bid shall incorporate the following documents:

1. Amendment to Contract Award with the most recent dated amendment having the highest priority;

No Bid Respond: ( ) Remove From Class-Item OR ( ) Keep Active For Class-Item

BIDDER MUST COMPLETE THE FOLLOWING

DISCOUNT PAYMENT TERMS:_____% _____ DAYS

By signing this Invitation to Bid, the bidder agrees to the "Standard Conditions and Terms of Bid Solicitation and Offer" and is committed to provide a drug free work place environment. Vendor will furnish the items requested within_____ days after receipt of order. Failure to enter Delivery Date may cause quotation to be REJECTED.

Sign Here _____ **(Authorized Signature MANDATORY - MUST BE SIGNED IN INK)**

Enter Contact Information Below

VENDOR# _____
VENDOR: _____
Address: _____
_____
_____

Contact _____
Telephone _____
Facsimile _____
Email _____
_____

State of Nebraska - INVITATION TO BID CONTRACT

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2. Contract Award and any attached Addenda;
3. The signed Invitation to Bid form and the Contractor' s bid response;
4. Amendments to ITB and any Questions and Answers; and
5. The original ITB document and any Addenda.

These documents constitute the entirety of the contract.

Unless otherwise specifically stated in a contract amendment, in case of any conflict between the incorporated documents, the documents shall govern in the following order of preference with number one (1) receiving preference over all other documents and with each lower numbered document having preference over any higher numbered document: 1) Amendment to Contract Award with the most recent dated amendment having the highest priority, 2) Contract Award and any attached Addenda, 3) the signed Invitation to Bid form and the Contractor' s bid response, 4) Amendments to ITB and any Questions and Answers, 5) the original ITB document and any Addenda.

Any ambiguity in any provision of this contract which shall be discovered after its execution shall be resolved in accordance with the rules of contract interpretation as established in the State of Nebraska.

Once Invitations to Bid are opened they become the property of the State of Nebraska and will not be returned.

It is understood by the parties that in the State of Nebraska' s opinion, any limitation on the contractor' s liability is unconstitutional under the Nebraska State Constitution, Article XIII, Section III and that any limitation of liability shall not be binding on the State of Nebraska despite inclusion of such language in documents supplied by the contractor' s bid response.

(12/11/2013 ked)

A response to this Solicitation is subject to, but not limited to, the included Standard Conditions and Terms. PLEASE READ CAREFULLY!

IT IS THE RESPONSIBILITY OF THE BIDDER TO REFER TO STATE PURCHASING BUREAU'S WEB SITE FOR ALL INFORMATION RELEVANT TO THIS SOLICITATION TO INCLUDE ADDENDA AND/OR AMENDMENTS THAT MAY BE ISSUED PRIOR TO THE OPENING DATE.
http://www.das.state.ne.us/materiel/purchasing/purchasing.html

Bid Tabulations are available on the internet at http://www.das.state.ne.us/materiel/purchasing/bidtabs.htm

This form is part of the specification package and must be signed and returned, along with all documents, by the opening date and time specified.

Any questions regarding this solicitation must be directed to State Purchasing Bureau, to the attention of the buyer. It is preferred that questions be sent via e-mail to matpurch.dasmat@nebraska.gov. Questions may also be sent by facsimile to 402-471-2089. Refer to specification for additional information.

No facsimile or email solicitation responses will be accepted.

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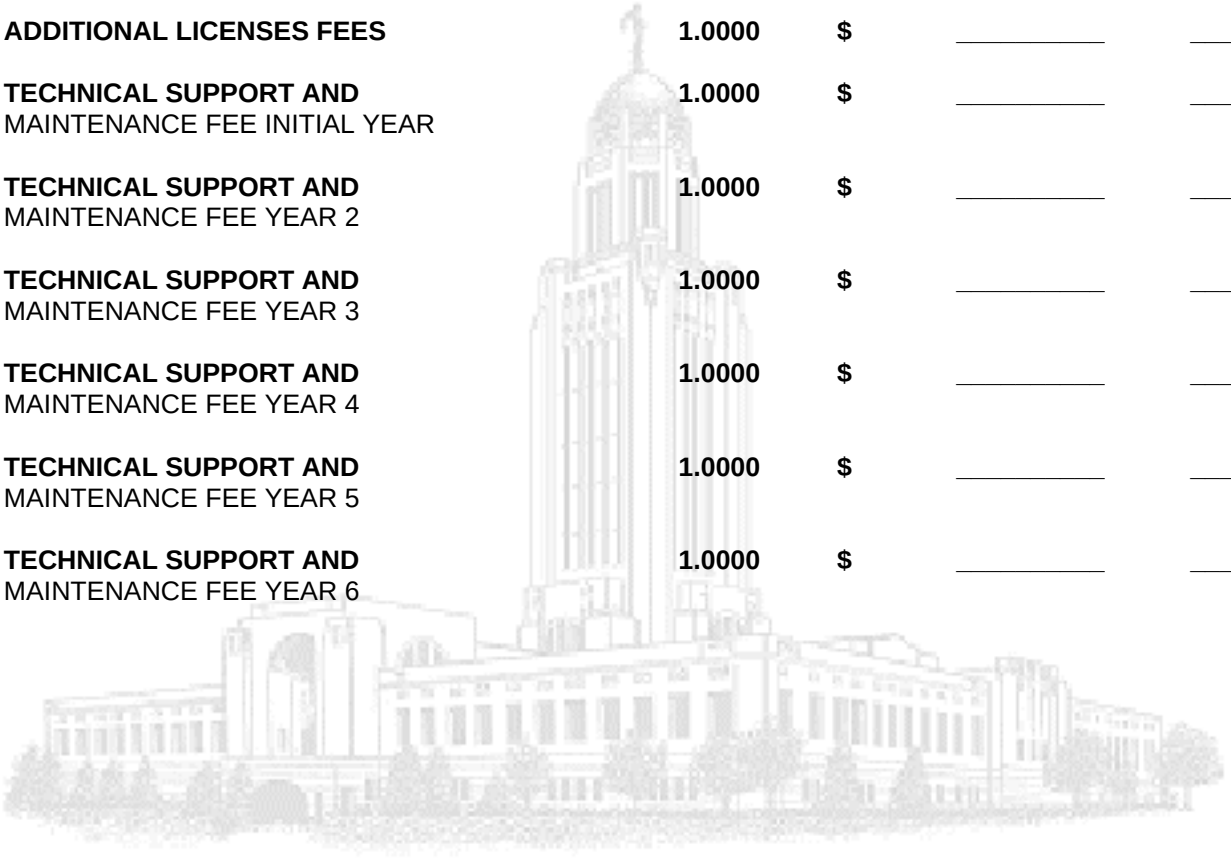
INVITATION

Line	Description	Quantity	Unit of Measure	Unit Price	Extended Price
1	**HYDROLOGIC TIME-SERIES** MANAGEMENT SOFTWARE	**1.0000**	**$**	_____	_____
2	**ADDITIONAL LICENSES FEES**	**1.0000**	**$**	_____	_____
3	**TECHNICAL SUPPORT AND** MAINTENANCE FEE INITIAL YEAR	**1.0000**	**$**	_____	_____
4	**TECHNICAL SUPPORT AND** MAINTENANCE FEE YEAR 2	**1.0000**	**$**	_____	_____
5	**TECHNICAL SUPPORT AND** MAINTENANCE FEE YEAR 3	**1.0000**	**$**	_____	_____
6	**TECHNICAL SUPPORT AND** MAINTENANCE FEE YEAR 4	**1.0000**	**$**	_____	_____
7	**TECHNICAL SUPPORT AND** MAINTENANCE FEE YEAR 5	**1.0000**	**$**	_____	_____
8	**TECHNICAL SUPPORT AND** MAINTENANCE FEE YEAR 6	**1.0000**	**$**	_____	_____



STANDARD CONDITIONS AND TERMS OF BID SOLICITATION AND OFFER Invitations to Bid and Contract Awards

It is the responsibility of the bidder to check the website for all information relevant to this solicitation to include addenda and/or amendments issued prior to the opening date. Website address: http://www.das.state.ne.us/materiel/purchasing/purchasing.htm

SCOPE- These standard conditions and terms of bid solicitation and acceptance apply in like force to this inquiry and to any subsequent contract resulting therefrom.

PRICES- Prices quoted shall be net, including transportation and delivery charges fully prepaid by the bidder, F.O.B. destination named in the Invitation to Bid. No additional charges will be allowed for packing, packages or partial delivery costs. When an arithmetic error has been made in the extended total, the unit price will govern.

EXECUTION- Bids must be signed in ink by the bidder on the State of Nebraska's Invitation to Bid form. All bids must be typewritten or in ink on the State of Nebraska's Invitation to Bid form. Erasures and alterations must be initialed by the bidder in ink. No telephone or voice bids will be accepted. Failure to comply with these provisions may result in the rejection of the bid.

FACSIMILE DOCUMENTS- The State Purchasing Bureau will only accept facsimile responses to Invitations to Bid on bids under $25,000 and up to ten (10) pages. **However, two party sealed bids containing facsimile pages are acceptable.** No direct facsimile solicitation responses will be accepted for a commodity contract.

VALID BID TIME- Bids shall be firm for a minimum of sixty (60) calendar days after the opening date, unless otherwise stipulated by either party in the Invitation to Bid.

DISCOUNTS- Prices quoted shall be inclusive of ALL trade discounts. Cash discount terms of less than thirty (30) days will not be considered as part of the bid. Cash discount periods will be computed from the date of receipt of a properly executed claim voucher or the date of completion of delivery of all items in a satisfactory condition, whichever is later.

PAYMENT- Payment will be made by the responsible agency in conjunction with the State of Nebraska Prompt Payment Act 81-2401 through 2408. The State may request that payment be made electronically instead of by state warrant.

COLLUSIVE BIDDING- The bidder guarantees that the prices quoted have been arrived at without collusion with other eligible bidders and without effort to preclude the State of Nebraska from obtaining the lowest possible competitive price.

LUMP SUM OR ALL OR NONE BIDS- The State reserves the right to purchase item-by-item, by groups or as a total when the State may benefit by so doing. Bidders may submit a bid on an "all or none" or "lump sum" basis but should also submit a bid on an item-by-item basis. The term "all or none" means a conditional bid which requires the purchase of all items on which bids are offered and bidder declines to accept award on individual items; a "lump sum" bid is one in which the bidder offers a lower price than the sum of the individual bids if all items are purchased but agrees to deliver individual items at the prices quoted.

SPECIFICATIONS- Any manufacturer's names, trade names, brand names, information and/or catalog numbers listed in a specification are for reference and not intended to limit competition, but will be used as the standard by which equivalent material offered will be judged. The State Purchasing Director will be the sole judge of equivalency. The bidder may offer any brand which meets or exceeds the specification. When a specific product is required, the Invitation to Bid will so state. Any item bid is to be the latest current model under standard production at the time of order. No used or refurbished equipment will be accepted, unless otherwise stated.

ALTERNATE/EQUIVALENT BIDS- Bidder may offer bids which are at variance from the express specifications of the Invitation to Bid. The State reserves the right to consider and accept such bids if, in the judgement of the State Purchasing Director, the bid will result in goods and/or services equivalent to or better than those which would be supplied in the original bid specifications. Bidders must indicate on the Invitation to Bid the manufacturer's name, number and shall submit with their bid, sketches, descriptive literature and/or complete specifications. Reference to literature submitted with a previous bid will not satisfy this provision. Bids which do not comply with these requirements are subject to rejection. In the absence of any stated deviation or exception, the bid will be accepted as in strict compliance with all terms, conditions and specifications, and the bidder shall be held liable therefore.

SAMPLES- When requested, samples shall be furnished at the bidders expense prior to the opening of the bid, unless otherwise specified. Each sample must be labeled clearly and identify the bidders name, the Invitation to Bid number and the item number. Samples submitted must be representative of the commodities or equipment which would be delivered if awarded the bid. The State of Nebraska reserves the right to request samples even though this may not have been set forth in the Invitation to Bid. Samples not destroyed in testing will be returned at bidders expense, if requested, or will be donated to a public institution.

RECYCLING- Preference will be given to items which are manufactured or produced from recycled material or which can be readily reused or recycled after their normal use as per State Statute Section 81-15,159.

LATE BIDS- All bids will be time and date stamped upon receipt by the State Purchasing Bureau, and this shall be the official time and date of receipt. Bids received after the time of the bid opening will be considered late bids and will be returned to the bidder unopened. The State Purchasing Bureau is not responsible for late bids or lost requests due to mail service inadequacies, traffic or other similar reasons.

BID OPENING- Openings shall be public on the date and time specified on the Invitation to Bid form. It is the bidder's responsibility to assure the bid is delivered at the designated date, time and place of the bid opening. Telephone bids are not acceptable. A bid may not be altered after opening of the bids.

NO BID- If not submitting a bid, respond by returning the Invitation to Bid form explaining the reason in the space provided. Failure to respond to an Invitation to Bid may be cause for the removal of the bidder's name from the mailing list. NOTE: To qualify as a respondent, bidder must submit a "NO BID" and it must be received no later than the stated bid opening date and time.

AWARD- All purchases, leases, or contracts which are based on competitive bids will be awarded to the lowest responsible bidder, determined according to the provisions of State Statute Section 81-161, R.R.S. 1943. The State reserves the right to reject any or all bids, wholly or in part and to waive any deviations or errors that are not material, do not invalidate the legitimacy of the bid and do not improve the bidders competitive position. All awards will be made in a manner deemed in the best interest of the State.

BID TABULATIONS- Tabulations will be furnished upon written request. A self-addressed, stamped envelope which must include the agency and solicitation number must be enclosed. Bid tabulations will not be provided by telephone or facsimile. Bid files may be examined during normal working hours by appointment. Bid tabulations are available on the website at: http://www.das.state.ne.us/materiel/purchasing/bidtabs.htm

PERFORMANCE AND DEFAULT- The State reserves the right to require a performance bond from the successful bidder, as provided by law, without expense to the State. Otherwise, in case of default of the contractor, the State may procure the articles from other sources and hold the contractor responsible for any excess cost occasioned thereby.

IN-STATE PREFERENCE- A resident bidder shall be allowed a preference against a nonresident from a state which gives or requires a preference to bidders from that state. The preference shall be equal to the preference given or required by the state of the nonresident bidders. Where the lowest responsible bid from a resident bidder is equal in all respects to one from a nonresident bidder from a state which has no preference law, the resident bidder shall be awarded the contract**.**

NONDISCRIMINATION- The Nebraska Fair Employment Practice Act prohibits contractors of the State of Nebraska, and their subcontractors, from discriminating against any employee or applicant for employment, to be employed in the performance of such contracts, with respect to hire, tenure, terms, conditions or privileges of employment because of race, color, religion, sex, disability, or national origin. (State Statute Sections 48-1101 through 48-1125) The bidder guarantees compliance with the Nebraska Fair Employment Practice Act, and breach of this provision shall be regarded as a material breach of contract. The contractor shall insert a similar provision in all subcontracts for services to be covered by any contract resulting from this Invitation to Bid.

TAXES- Purchases made by the State of Nebraska are exempt from the payment of Federal Excise Taxes, and exemption certificates will be furnished on request. State and local taxes are exempt by State Statute Section 77-2704 (l) (m) R.R.S. 1943 and must not be included in the bid prices. Exemption by statute precludes the furnishing of State exemption certificates.

DRUG POLICY - Bidder certifies that it maintains a drug free work place environment to ensure worker safety and workplace integrity. Contractor agrees to provide a copy of its drug free workplace policy at any time upon request by the State.

GRIEVANCE AND PROTEST- Grievance and protest procedure is available by contacting the buyer. Protest must be filed within ten (10) days of award.

NE ACCESS TECHNOLOGY STANDARDS- Vendor agrees to ensure compliance with Nebraska Access Technology Standards. See website at: http:/www.nitc.state.ne.us/standards/accessibility/

STATE OF NEBRASKA
STATE PURCHASING BUREAU

SCHEDULE OF EVENTS

The State expects to adhere to the tentative procurement schedule shown below. It should be noted, however, that some dates are approximate and subject to change.

	ACTIVITY	DATE/TIME
1	Release Invitation to Bid	December 11, 2013
2	Last Day to Submit Written Questions	December 20, 2013
3	State Responds to Written Questions Through an Addendum to be posted to the internet at: http://www.das.state.ne.us/materiel/purchasing/rfp.htm	December 27, 2013
4	Bid Opening Location: Nebraska State Office Building State Purchasing Bureau 1526 K Street, Suite 130 Lincoln, NE 68508	January 9, 2014 2:00 p.m. Central Time

WRITTEN QUESTIONS AND ANSWERS

Any explanation desired by a bidder regarding the meaning or interpretation of any Invitation to Bid provision must be submitted in writing to the State Purchasing Bureau and clearly marked "ITB Number 4585 OF; Hydrologic Time-Series Data Management Software with Technical Support and Maintenance". It is preferred that questions be sent via e-mail to as.materielpurchasing@nebraska.gov Questions may also be sent by facsimile to 402-471-2089, but must include a cover sheet clearly indicating that the transmission is to the attention of Nancy Storant, showing the total number of pages transmitted, and clearly marked "ITB Number 4585 OF; Hydrologic Time-Series Data Management Software with Technical Support and Maintenance".

Written answers will be provided through an addendum to be posted on the internet at http://www.das.state.ne.us/materiel/purchasing/rfp.htm **on or before the date shown in the Schedule of Events.**

STATE OF NEBRASKA: Commodity Contract

Hydrologic Time-Series Data Management Software with ongoing Technical Support and Maintenance Specifications 4585 OF

SCOPE

The State of Nebraska Department of Natural Resources (DNR) seeks Hydrologic Time-Series Data Management Software with ongoing Technical Support and Maintenance to efficiently and effectively manage all hydrologic data and information related to DNR's Streamgaging Program. All necessary functions for easily importing, storing, working, reviewing, and disseminating hydrologic data and information must be included. A commercially available, off-the-shelf (COTS) product is preferred but other applicable solutions will be entertained. The software must employ a simple, easy-to-use, intuitive user interface and be compatible with DNR's current operating system. The software must also have intuitive workflows easy for all levels of users to follow, the ability to easily manage licenses for multiple users concurrently, the capability to interface with websites, the ability to create user defined ad hoc reports, and the flexibility to adapt and incorporate new technology. The preferred vendor will have extensive knowledge and experience dealing with the unique demands related to hydrologic data management. The software must be accompanied by superb customer service and technical support to ensure that installation and operation of the software fully meets the expectations outlined in the accompanying specifications.

It is the intent of this bid invitation to establish a contract to supply Hydrologic Time-Series Data Management Software with ongoing Technical Support and Maintenance per the attached specifications for one year from date of award with the option to renew the technical support and maintenance for an additional five (5), one (1) year periods when mutually agreeable to the vendor and the State of Nebraska. The State reserves the right to extend the period of this contract beyond the end date when mutually agreeable to the vendor and the State of Nebraska.

The software shall be of the latest version in production as of the date of the Invitation to Bid and be of proven performance and under standard design, complete as regularly advertised and marketed.

BACKGROUND

DNR is the state agency responsible for the sustainable use and proper management of Nebraska's natural resources. A key component of this responsibility is measuring and monitoring the water flowing in Nebraska's streams, rivers, and canals. DNR currently operates and maintains a streamgaging network comprised of more than 250 stations. The network includes continuous stream gages and reservoir gages, partial year gages, canal gages, canal return flow gages, and spot measurements/ miscellaneous observations of stage. The core network consists of approximately 110 continuous stream gages and 120 canal gages. DNR uses the data collected from the streamgaging network to make informed decisions regarding the wise and proper use of Nebraska's water resources. This includes administering water rights, responding to flood emergencies, issuing permits, studying surface water/groundwater interactions, modeling floodplains, quantifying water supplies and uses, calibrating groundwater models, complying with interstate compacts, and planning for future water demands.

Advances in technology have steadily increased the demand, both internally and externally, for readily available, high resolution, high quality hydrologic data and information. Unfortunately, DNR's current system is not equipped to keep pace with the growing demand. As a result, DNR must upgrade its current system and make adjustments to its workflow. The purpose of this invitation to bid is to upgrade DNR's current

system. Changes to the workflow began last year when workloads and workflows were redistributed to two main groups within DNR: the Streamgaging Section and the field offices.

The overall administration and coordination of DNR's Streamgaging Program is now carried out by the Streamgaging Section within the Floodplain/Dam Safety/Survey Division. This section is staffed by an Engineer and two Natural Resources Specialists who are responsible for overseeing data collection, managing hydrological data, publishing streamgaging records, disseminating data, and ensuring quality control standards are met. The Streamgaging Section works in close conjunction with the five DNR field offices. The field offices are staffed by 23 full time employees with additional seasonal help during the summer months. Field office personnel are primarily responsible for making streamgaging measurements, for operating and maintaining streamgaging stations and equipment, and for assisting with data processing and review within their territory. The field offices are strategically located across the state and roughly align with Nebraska's major river basins.

Usability and functionality are key factors for our field office personnel. Their duties often shift based on departmental priorities and seasonal needs. Their usage of the streamgaging software may be categorized as consistent, sporadic, or seasonal. This means that many users will be required to quickly pick up and use the software after several month long absences. As a result, these users need an easy-to-use, intuitive user interface that does not require significant training or ongoing use to operate. It should allow users to step away from the product for several months then return and pick it right back up. The preferred software solution must be able to accommodate this need through an intuitive user interface; the use of clearly documented, step-by-step directions; and simple training exercises that can be completed by users on an individual basis when needed.

With our streamgaging network covering such a large and diverse area, the Streamgaging Program must be robust enough to meet the varied needs of the entire state. DNR utilizes a wide range of measurement devices, data loggers, and telemetry to meet this need. Streamflow measurements are typically made manually or while using devices such as an AquaCalc 5000, AquaCalc Pro, AquaCalc Pro Plus, OTT ADC Doppler Meter, or Teledyne RDI RiverRay ADCP. DNR utilizes a wide range of data loggers including those manufactured by Design Analysis Associates, Inc.; Sutron Corporation; Stevens Water Monitoring Systems, Inc.; and Teledyne Isco, Inc. Most of DNR's streamgaging stations are equipped with stage recorders which continuously measure and record stage on a set time interval, typically 15, 30, or 60 minutes. The measurements are then relayed to DNR via GOES satellite, telephone line, or cellular modem. DNR also receives data imports from ftp sites, websites, and text files.

Many of the data imports that DNR receives via ftp sites, websites, and text files come from other governmental agencies and our cooperative partners. For water administration and interstate water accounting issues, DNR often works closely with other state and federal agencies such as the U.S. Geological Survey (USGS), the U.S. Bureau of Reclamation (USBR), the Wyoming State Engineer's Office (WY SEO), and the Colorado Division of Water Resources (CO DWR). Often times, this means a site primarily managed by one agency is also measured by multiple other agencies. This means measurement notes and other related information must be easily shared between agencies.

In addition to providing data for sites managed by other agencies, DNR also operates many of its own streamgaging stations in cooperation with other entities such as the USGS, the Platte River Recovery Implementation Program (PRRIP), neighboring states, Natural Resources Districts, and Irrigation Districts. The ability to quickly and easily share data with these partners is extremely important. Data sharing increases the quantity of quality data, facilitates discussions, and improves decision making processes. Some partnerships are formed as part of interstate cooperative agreements while others are formed to pool resources when a single entity does not have the funding or technical capabilities to operate a gage on its own. Although each partnership has different requirements for sharing, all require data to be quickly and easily shared or transferred between partners. The ability to allow partners viewing privileges to the data

they help collect is a function that would greatly increase the value of our partnerships. It is also necessary to have the flexibility and the ability to create reports quickly and on as-needed basis because it facilitates discussions, fosters the exchange of ideas, and promotes strong partnerships through collaboration. Our ability to coordinate and collaborate with these partners will become increasingly important as budgets become tighter and demand for quality data increases. It is also expected that DNR will need to create customized reports on-the-fly at the request of our cooperative partners. With these factors in mind, DNR must invest in a software package with features that allows cooperative partners to view their data directly within the system and has the ability to generate ad hoc reports.

While it can be easy to focus on current needs, it is also important to consider future needs. Technology is constantly changing and DNR must change with it. Improvements in technology can speed workflows and response time during emergencies. As the DNR field offices become more fully equipped with portable devices, there will be an increased need to enter data directly in the field. Several of the field offices are already equipped with portable devices and it is expected the rest will follow suit within the next five years. As a result, DNR must employ new software that is capable of utilizing portable devices. The ability to enter data directly in the field will result in fewer errors and speed up data availability. Another useful feature for DNR's future system would be the ability to easily send automatic text messages or emails when river conditions meet certain criteria. Typically these criteria are associated with high or low flows when response times are critical. Considering how features like these would benefit all data users, DNR needs to invest in a software package that will continually look for ways to incorporate new and emerging technology.

In order for DNR to fully meet the increasing demand for easily accessible, high quality data, DNR must invest in new hydrologic time-series data management software that is functional, easy-to-use, and readily adapts to emerging technologies. The software must have a clearly defined licensing agreement, the ability to manage licenses for multiple users, intuitive workflows easy for all levels of users to follow, the capability to interface with websites, the ability to create user defined ad hoc reports, the ability to accommodate multiple viewer licenses, and the foresight necessary to embrace new technology. The software must be accompanied by technical support and maintenance.

NON-COMPLIANCE STATEMENT

Read these specifications carefully. Any and all exceptions to these specifications must be written on or attached to quotation request. Any noncompliance may void your quotation. Non-compliance to any single specification can void your bid.

It is the responsibility of Bidders to obtain information and clarifications as provided below. The State of Nebraska is not responsible for any erroneous or incomplete understandings or wrongful interpretations of this Invitation to Bid by any Bidder.

No interpretation related to the meaning of bid specifications or other pre-bid documents will be made orally to any Bidder by the State of Nebraska. Any request for bid interpretation must be put in writing and faxed by the Bidder to: the State Purchasing Bureau, Fax (402) 471-2089 or e-mailed to matpurch.dasmat@nebraska.gov by the last day to submit written questions that is specified in the Schedule of Events. (Inquiries received after the last day to submit written questions may not be addressed).

RIGHTS

The State reserves the right to waive technicalities; reject any or all bids, wholly or in part; and to waive any deviations or errors that are not material, do not invalidate the legitimacy of the bid, and do not improve the Bidder's competitive position. The State of Nebraska will be the sole judge of equivalence and any decision will be final. All awards will be made in a manner deemed in the best interest of the State.

SECRETARY OF STATE

All Bidders shall be authorized to transact business in the State of Nebraska. All Bidders are expected to comply with all Nebraska Secretary of State registration requirements. It is the responsibility of the Bidder to comply with any registration requirements pertaining to types of business entities (e.g., person, partnership, foreign or domestic limited liability company, association, or foreign or domestic corporation or other type of business entity). The Bidder who is the recipient of an Intent to Award will be required to certify that it has so complied and produce a true and exact copy of its current (within 90 days), valid Certificate of Good Standing or Letter of Good Standing; or in the case registration is not required, to provide, in writing, the reason as to why none is required. This must be accomplished prior to the award of the contract. Construction contractors are expected to meet all applicable requirements of the Nebraska Contractor Registration Act and provide a current, valid certificate of registration. Further, all Bidders shall comply with any and all other applicable Nebraska statutes regarding transacting business in the State of Nebraska. Bidders should submit the above certification(s) with their bid.

AWARD
All purchases, leases, or contracts which are based on competitive bids will be awarded to the lowest responsible Bidder, determined according to the provision of State Statute Section 81-161, R.R.S 1943. The State reserves the right to reject any or all bids, wholly or in part and to waive any deviations or errors that are not material, do not invalidate the legitimacy of the bid and do not improve the Bidder's competitive position. All awards will be made in a manner deemed in the best interest of the State.

AMENDMENT
This Contract may be amended at any time in writing upon the agreement of both parties.

ASSIGNMENT OF CONTRACT
The vendor will not assign, transfer or sub-contract any portion of this contract without the prior written consent of the State of Nebraska.

BREACH OF CONTRACT
The State may terminate the contract, in whole or in part, if the contractor fails to perform its obligations under the contract in a timely and proper manner. The State may, by providing a written notice of default to the contractor, allow the contractor to cure a failure or breach of contract within a period of thirty (30) days (or longer at State's discretion considering the gravity and nature of the default). Said notice shall be delivered by Certified Mail, Return Receipt Requested or in person with proof of delivery. Allowing the contractor time to cure a failure or breach of contract does not waive the State's right to immediately terminate the contract for the same or different contract breach which may occur at a different time. In case of default of the contractor, the State may contract the service from other sources and hold the contractor responsible for any excess cost occasioned thereby.

TERMINATION
The contract may be terminated at any time upon the mutual consent of the parties, or by the State of Nebraska, with or without cause and/or consent upon thirty (30) days written notice.

TAXES
The State is not required to pay taxes of any kind and assumes no such liability as a result of this solicitation. Any property tax payable on the contractor's equipment which may be installed in a state-owned facility is the responsibility of the contractor.

PRICES
Price quoted shall be unit price and shall be firm for **Hydrologic Time-Series Data Management Software with ongoing Technical Support and Maintenance** from date of an award and are to be net; including transportation and delivery charges fully prepaid by the Bidder F.O.B. Destination as specified. No additional charges will be allowed for packing, handling, fuel surcharge, or partial delivery costs. Any request for an

increase must be submitted in writing to the State Purchasing Bureau a minimum of 30 days prior to proposed effective date of increase, and must show cause and be accompanied by supporting documentation (such as notification letter from manufacturer). Further documentation may be required by the State, to authenticate the increase (such as manufacturer invoices). Failure to supply any requested supporting documentation may be grounds to cancel the contract. The State further reserves the right to reject any proposed price increase(s), cancel the contract and re-bid if determined to be in the best interest of the State. The State will be given full proportionate benefit of any decrease for the term of the contract. No price increases are to be billed to any State Agencies without prior written approval by the State Purchasing Bureau. Contract supplier or suppliers may honor pricing and extend the contract to political sub-divisions, cities, and counties. Terms and conditions of the contract must be met by political sub-divisions, cities, and counties.

QUALITY
Product quality must meet specifications and be consistent for the term of the contract. A guarantee of satisfactory performance by the supplier and meeting delivery dates are considered to be an integral part of the purchase contract resulting from this bid invitation. All materials must be of first quality, under standard production by the manufacturer and be of standard design, complete as regularly advertised and marketed and be of proven performance. Products are to be fully guaranteed and may be returned for full credit or replacement (at the State's option) for any reason and for the duration of the contract with no additional charges for shipping or restocking.

GRAY MARKET PRODUCTS PROHIBITION
The State of Nebraska will not accept Gray Market Products for this solicitation. Gray Market is defined as the trade of a commodity through distribution channels which, while legal, are unofficial, unauthorized, or unintended by the original manufacturer. Gray Market items are not designed to be sold in a particular market and cannot be supported by the authorized importer because of various reasons.

AUTHORIZED DEALER AND WARRANTY
To the extent required by the manufacturer, the Bidder shall be an authorized dealer. Bidder may be required to substantiate that he/she is an authorized dealer. Proof, if required, must be submitted to the State Purchasing Bureau within three (3) days of the request and prior to the award of any contract. The terms of the original manufacturer's standard warranty shall apply to all software acquired from this solicitation for the entire warranty period.

SUBSTITUTIONS
Vendor will not substitute any item that has been awarded without prior written approval of State Purchasing Bureau.

DELIVERY
Delivery desired upon receipt of order.

ORDERS
Orders will be placed either by, phone, fax, e-mail or Internet (if available and not to the exclusion of the other methods). All orders must reference a purchase order number and the purchase order number must be referenced on the packing slip, and invoice. Invoices are to be sent to the "Invoice to" address on the purchase order.

PAYMENT
Payment will be made in conjunction with the State of Nebraska Prompt Payment Act §81-2401 through 2408. Payment shall be within 45 days of receipt of service or invoice, whichever is received later. Payment will be made by the responsible agency in compliance with the State of Nebraska Prompt Payment Act (See Neb. Rev. Stat. §81-2401 through 81-2408). The State may require the contractor to accept payment by

electronic means such as ACH deposit. In no event shall the State be responsible or liable to pay for any services provided by the contractor prior to the Effective Date, and the contractor hereby waives any claim or cause of action for any such services.

REFERENCES

The State of Nebraska reserves the right to check any reference(s) regardless of source of the reference information, including but not limited to, those that are identified by the company in the bid, those indicated through explicitly specified contracts, those that are identified during the review of the bid, or those that result from communication with other entities involved with similar projects. Bidder may be requested to arrange an on-site visit with an existing user of their software for a live demonstration of the application being bid and a review of the product.

List the name, addresses, and the telephone numbers of three companies/businesses that we may contact who are currently using the same equipment being bid for the same application.

1._____

2._____

3._____

CUSTOMER SERVICE

The vendor shall list the name and phone number of the customer service representative who will be assigned to service the State of Nebraska's account:

Customer Service Representative: _____

Phone Number: _____

Fax Number: _____

E-mail Address: _____

Hydrologic Time-Series Data Management Software with ongoing Technical Support and Maintenance Bidder Instructions 4585 OF

BIDDER INSTRUCTIONS

Bidder must respond to each of the following statements. Specifications listed are minimum conditions that must be met in order for a Bidder to qualify for the award. A "YES" response means the Bidder guarantees they can meet this condition. All "YES" responses should include a description of how the specification is met in the NOTES/COMMENTS section. Applicable supporting documentation should be attached and cross-referenced to the appropriate specification. A "NO" response means the Bidder cannot meet this condition and will not be considered. "NO & PROVIDE ALTERNATIVE" responses should be used only with a narrative response in the NOTES/COMMENTS section explaining in detail any deviation from the Bidder's ability to meet the condition, and an explanation of how this would be determined to be an acceptable alternative to meeting the condition. Alternatives must be detailed in such a way that allows such deviations to be fully evaluated. The State of Nebraska shall determine at its sole discretion whether or not the vendor's alternative is an acceptable alternative.

1. GENERAL REQUIREMENTS

YES	NO	NO & PROVIDE ALTERNATIVE	
			1.1 Primary Functions
The software and technical services must be well suited for the collection, management, storage, analysis, and dissemination of hydrologic data and related information.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			1.2 Licensing Agreements
The vendor must include clearly defined user and software licensing agreements.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			1.3 Licensing Structure

The software must utilize a versatile, well-defined licensing structure capable of allowing editing licenses to be shared amongst multiple users located throughout the state or to be dedicated to a single user on multiple devices.

DNR requests bids for the following alternative licensing structures:

1) The licensing structure must concurrently accommodate a minimum of three licenses dedicated to users with administrative privileges, five licenses to be shared amongst users with editing privileges, ten licenses for users entering field measurements, and fifty licenses for users viewing or exporting data.
2) The licensing structure must concurrently accommodate a minimum of three licenses dedicated to users with administrative privileges, ten licenses to be shared amongst users with editing and data entry privileges, and fifty licenses for users viewing or exporting.
3) Other applicable licensing structures that meet DNR's needs, as outlined in the "BACKGROUND" Section of this document.

NOTES/COMMENTS:

YES	NO	NO & PROVIDE ALTERNATIVE	
			1.4 User Interface

The user interface should be intuitive, user-friendly, and give users the flexibility to customize their settings and views to optimize operability including support for dual screen configurations and various windows screen resolution settings. The interface should make use of various visualization methods (e.g., use of tabs and dropdown lists, pointer interaction, expand and reduce information similar to a menu tree, etc.) for efficient workflows.

NOTES/COMMENTS:

YES	NO	NO & PROVIDE ALTERNATIVE	
			1.5 System Documentation
All system tasks and procedures required to operate and maintain the software must be identified and described. This includes, but is not limited to, software installation and update processes; procedures for backup, archive, and recovery; and assigning user access. The documentation should follow industry accepted best practices and be specific to target audiences. The documentation should be logically structured and provide target audiences with sufficient information to successfully perform tasks specific to their roles and positions.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			1.6 Standards and Operating Procedures
The software must meet or exceed USGS standards and operating procedures for the measurement and computation of streamflow. This includes, but is not limited to, Measurement and Computation of Streamflow, Vols. 1 and 2 (USGS WSP-2175; 1982); WRD Data Reports Preparation Guide (USGS OFR 85-480; 1985); Standards for the Analysis and Processing of Surface-Water Data and Information Using Electronic Methods (USGS WRIR 01-4044; 2001); Stage Measurement at Gaging Stations (TM 3—A7); Discharge Measurements at Gaging Stations (TM 3—A8); Levels at Gaging Stations (TM 3—A19).			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			1.7 Data Manipulation
The software must manipulate specific time-stamped numerical data including raw sensor output values, processed engineering values for stage/discharge, and datum corrective factors for conversion equations (shifts, offsets).			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			1.8 Units
The software must accommodate a wide range of user-specifiable engineering units common to water management including, but not limited to, cfs, cms, gpm, fps, m/s, ft, m, AF, etc. and allow for automatic conversion of units during data review/output of reports. The software must also be functional for processing and storing other water related parameters including, but not limited to, temperature and precipitation.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			1.9 Error Messages
The software must display relevant error messages which are clear and comprehensible for all applicable users, including those without any specialized IT knowledge.			
NOTES/COMMENTS:			

2. HARDWARE AND IT

YES	NO	NO & PROVIDE ALTERNATIVE	
			2.1 Operating System
The product must operate on existing DNR servers and workstations which run on the most recent versions of Windows (Windows 7, Windows 8, Server 2008 R2, Server 2012 {64 bit on servers}).			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			2.2 Hardware Form Factors
The software must be capable of operating on both a desktop computer and on portable devices such as laptops, tablets, and smartphones. Use of software on portable devices must accommodate fieldwork in remote areas with limited or no internet or intranet coverage.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			2.3 Corrective Maintenance
The vendor shall provide corrective maintenance to address errors that prevent the software from performing as originally intended. These errors may include, but are not limited to, design errors, logic errors, and coding errors.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			2.4 System Updates
Updates, patches, and new releases shall be made available through a download site or through other mutually agreeable media within ten calendar days of its release. New releases shall not require DNR to allocate resources for the migration or reformatting of data. All system updates shall require minimal downtime.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			2.5 User Access
Data on the central server will need to be accessed by various users through DNR's intranet or the internet. Access to the software shall be restricted to approved users and a username/password mechanism is required to prevent unauthorized use.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			2.6 Data Access Levels
The software must accommodate multiple and modular levels of users based on administrative security and access control. Data access and data editing privileges will be conditioned on user roles (e.g., field staff, project managers, cooperative partners, etc.) and data review status (e.g., raw data, reviewed, checked, approved, etc.) The software will support a delegation of authority model for setting up user accounts and access.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			2.7 Microsoft SQL Server
The product must support Microsoft SQL Server 2012.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			2.8 WaterML
The software must support data export and import via WaterML (XML format).			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			2.9 Scripting Languages
The software must support the Microsoft .NET Framework scripting languages (i.e., C# and VB.NET) and the inclusion of other widely used scripting languages (e.g., Python, C++, and java) is also preferred.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			2.10 Integration with ESRI GIS Software
The software should have the ability to integrate with ESRI GIS software and incorporate the use of the Spatial Data Type in MS SQL Server.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			2.11 Integration with MS Windows Domain Authentication
The software should have the ability to integrate with MS Windows Domain Authentication for the application's security and access control.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			2.12 Malicious Code
The software must be free of malicious code.			
NOTES/COMMENTS:			

3. DATA INPUT

YES	NO	NO & PROVIDE ALTERNATIVE	
			3.1 General Data Inputs
Software must accept data input from a variety of sources, both through manual entries and through definable, automatic electronic importation. Electronic formats can vary but must include comma-delimited text files, MS .xls, and MS .sql files.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			3.2 Data Inputs via Network Connections
The software must be able to accept electronic data from local and remote clients via a network connection using an automated ftp routine, the internet, etc.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			3.3 Time Stamps
The software must be capable of time-stamping data with a date and time that conforms to ISO (International Organization for Standardization) and USGS standards. All data are stored with respect to UTC (Universal Time Coordinate). Local time and the use of daylight savings time is calculated based on information stored in the site configuration. The time of day runs from 00:00:00 (midnight, read as "zero hours, zero minutes, zero seconds") to 23:59:59 in one-second intervals. Leap years should be automatically taken into account during the data processing.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			3.4 Data Inputs from Current Metering Devices
The software should be capable of receiving inputs directly from electronic current metering equipment files including AquaCalcs (5000, Pro, Pro Plus), OTT ADC Doppler Meters, and Teledyne RDI RiverRay ADCPs and storing the files with the appropriate station. These inputs typically include section width, depths, velocities, etc. and should be processed as completed USGS-style discharge measurement notes by relating individual metering events to a continuous record over time at a particular station (location) for the purpose of establishing and maintaining stage-discharge relationships.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			3.5 Data Migration
Tools and/or support for migrating data from WISKI 6.6 and historical data from other legacy programs must be provided.			
NOTES/COMMENTS:			

4. STORAGE AND DATA MANAGEMENT

YES	NO	NO & PROVIDE ALTERNATIVE	
			4.1 Data Storage
Software must store site specific data and related files (i.e., Text, Word Document, Excel, and Images) in a Microsoft SQL Server database either directly or through the use of MS SQL Server "FileStream" to allow for a simple backup scenario. The database schema must be understandable, well documented, and open for DNR to develop against.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			4.2 Data Capacity
The software must be capable of initially housing approximately 250 sites with no software or licensing limitations to restrict the addition of an unlimited number sites in the future. The software should be capable of containing all associated time-series for a site, even those with differing time-intervals, in one site. The software must be capable of accommodating changes in time intervals for a specific parameter without the creation of an additional site (e.g., changing from recording interval of 30-minute to 15-minute for stage data).			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			4.3 Telemetry Data
The software must be capable of receiving, processing, displaying, and storing time-series telemetry data through GOES satellite, modem, or manual upload of time-series data logger files.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			4.4 Field Visit Data
The software must be able to process, manage, display, and store data from field visits such as discrete measurements, site inspections, calibrations, etc.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			4.5 Automated Data Validation
The software must include automated data validation tools with the ability to send alerts through different means of communication (e.g., email, text message). The data validation will be applied on a site by site basis and be configured by a user with little or no scripting abilities. Data validation includes, but is not limited to: 1) detection of exceeding user defined thresholds, 2) monitoring of rates of change, 3) a system to label data as reliable, unreliable, or anywhere in between, and 4) automated validation of the data type and format, for example: a. ensuring date/time formats are consistent, b. ensuring numbers are rounded consistently, c. ensuring no text are in numerical fields and vice-versa.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			4.6 Site Analysis History
The software must compile and store site related comments and documents associated with all processing steps into a site analysis history.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			4.7 Back-Up Procedures
The software must provide reliable automatic back-up procedures to prevent accidental loss of data during the editing process and to provide complete reversibility of any changes. A complete audit trail of all data editing, applied corrections, and other processing steps must be maintained. The audit trail should be accessible to all users who possess the appropriate access rights.			
NOTES/COMMENTS:			

5. EDITING AND REVIEWING DATA

YES	NO	NO & PROVIDE ALTERNATIVE	
			5.1 General Functionality
The software must include a comprehensive data review module supporting displays and reports of multi-parameter data plots and tables, integrated time-series and site visit data, automated QA/QC checks, and other data review tools. The software must have the ability to implement business rules to flag and/or protect data (e.g., disallow certain editing functions, automatically flag data under certain conditions or after certain conditions, etc.) and allow data to be copied, added, merged, or replaced while retaining a copy of the original data.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			5.2 Editing Environment
The software must include the capability to perform data editing and review in both a graphical and tabular environment with an intuitive set of tools which allows users to quickly identify and correct errors and other data issues. Applicable quality codes/flags should be displayed in both the graphical and tabular environment. Displays should be automatically refreshed as data are edited.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			5.3 Graphical Editing
The software should allow for the graphical development and integration of data corrections into both time-series data and data from field visits. The software should include multi-level, intuitive zoom and pan functions and be capable of scrolling. The software must have the ability to view and print multiple data plots. When multiple parameters are displayed on the same graph, the time scale shall be based on the initially selected parameter.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			5.4 Tabular Editing
The software should allow for time-series data and data from field visits to be edited in a tabular format. The software should display applicable metadata (i.e., flags and remark codes) associated with instantaneous values and be capable of scrolling.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			5.5 Data Cleaning
The software must contain automated features such as low level cleaning of data, sanity testing, error detection, and bias corrections. Automatic processing and an editing log is required to track such things as general editing, rating changes, shift history, and allow for notes or comments.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			5.6 Data Estimations
The software must be capable of estimating missing time-series data through the development and use of regression equations or other similar means.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			5.7 Quality Assurance/Quality Control
The software must have built-in tools specifically designed for quality assurance/quality control (QA/QC) of hydrologic data. The tools should be capable of screening and flagging real-time data, monitoring site and sensor conditions, and issuing automated reports/alerts. For example, errors that occur on a regular basis are measurement drift over time, a constant numerical shift on a portion of the data, or flagging data outside of a permissible range. The software must have the ability to automatically apply data grades or uncertainty to time-series data.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			5.8 Rating Curve Development
The software must be capable of developing and maintaining graphical stage-discharge rating curves and shifts. This must allow key information, such as field measurements and cross-sectional survey data, to be easily incorporated.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			5.9 Rating Curve Tools
The software must include tools to develop stage/discharge rating equations and adjust ratings and shifts that can be applied to existing dataset with flexibility. The ability to directly import or enter rating equations developed by other agencies should also be included. This ability is necessary for stations where the rating curve is defined and agreed upon as decreed by interstate compacts or other agreements.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			5.10 Data Status
The software must include the capability to mark the data status. At a minimum, the status levels must include "Working," "In-Review," and "Approved" with the option to add additional status levels.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			5.11 Monitoring Data Status
The software must allow users to monitor the status (i.e., “Working,” “In-Review,” “Approved,” etc.) of time-series data throughout the review and approval process.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			5.12 Data Locking
The software must be capable of locking data as official approved data (time basis, stations, per station) with metadata associated with the operation. When data is “locked,” not editing is allowed. This ensures that data and associated information is protected against alteration, whether intentional or accidental. Any changes to the locked status of the data shall be part of the audit trail.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			5.13 Data Logs
The software must maintain a sequential log of any and all edits. The integrity of the original data must be maintained and accessible at all times for comparison with edited data.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			5.14 Generating Parameters
The software must be cable of generating discharge and other relevant parameters both manually and automatically through computations and the application of relevant data corrections, rating shifts, etc.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			5.15 Analyzing Data for Record Extremes
The software must include user-friendly tools for easily analyzing time-series data for peak events and other record extremes.			
NOTES/COMMENTS:			

6. DATA SHARING AND DISSEMINATION

YES	NO	NO & PROVIDE ALTERNATIVE	
			6.1 General Functions
The software must allow users to customize automatic calculations to derive statistical values of time series data for record (e.g., mean daily discharge, yearly maximum discharge, etc.). Software must also enable users to produce various reports to display statistical data of importance. Reporting features must be customizable by the end user with little or no knowledge of scripting.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			6.2 Summary Statistics
The software must be capable of generating daily, monthly, and annual statistics such as the maximum, minimum, and mean for selected parameters with definable periods.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			6.3 Report Generation
The software must have the capability to generate reports both manually and automatically. Users must have the ability to build manual reports on an ad hoc basis.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			6.4 Report Parameters
Report generation must provide a wide variety of user selectable parameters for reports including, but not limited to; time series data, mean daily data, min/max values for specified intervals, total over time interval, number of events above/below a value or range, combinations of parameters (e.g., number of consecutive days a particular flow is exceeded).			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			6.5 Report Modifications
The software must allow users with no scripting abilities to create/delete data tables, modify existing data tables, and manipulate relations between tables. Modifications would include actions like adding/removing fields, updating values, and adding/removing entire records.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			6.6 Automatic Report Generation
Automatic report generation should be expected to occur at regular time intervals ranging from hourly to annually. Automatic report generation should also result when some preset condition occurs (e.g., flow or stage exceeds a certain threshold value).			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			6.7 Report Display Options
The report output must have both numerical and graphical options for display.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			6.8 Batch Processing
The software must be capable of batch processing which allows for data output from multiple stations with a single request.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			6.9 Output Formats
The software should support the output of data to files to be shared with external agencies and allow flexibility in the export format. At a minimum, the report file formats should include .csv, .txt, .doc, .xls, .pdf, and allow user specified formatting options.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			6.10 Data Sharing
The software should include tools for easily sharing and comparing data with other agencies such as the U.S. Geological Survey, the U.S. Bureau of Reclamation, the Wyoming State Engineer's Office, and the Colorado Division of Water Resources. The tools should facilitate the sharing of field measurements, the joint development of rating curves, and the record review process.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			6.11 Integration with the INSIGHT Web Portal

The software must meet the following specifications for integration into DNR's INSIGHT web portal:

1) REST web service API must be available for reading data.
2) Web service API must be thoroughly documented.
3) Web service API should be available for querying lists of stations for specific data types.
4) Web service API should be available for reading one or more time series.
5) Web services should return data in easily consumable formats.
6) System should provide website data access and visualization.
7) System should provide access to time series of different intervals.
8) System should provide web services for supporting static data, such as data units and data types.
9) Time series queries should allow full and partial period to be queried.
10) Time series data flags should be available in results.
11) Critical condition information should be accessible, if available in the system.
12) Web services should be cached.
13) Location identifiers used in web services should be consistent with other publicly accessible information.
14) Web service results should optionally contain more than minimal information.
15) Providing derived data products and statistics is desirable.

NOTES/COMMENTS:

7. SUPPORT AND MAINTENANCE

YES	NO	NO & PROVIDE ALTERNATIVE	
			7.1 Training Overview

The vendor is required to provide proper training in the installation, use, and maintenance of the software for its intended purposes. This shall also include well-documented, clearly described software installation and update procedures.

NOTES/COMMENTS:

YES	NO	NO & PROVIDE ALTERNATIVE	
			7.2 Training Venues
Training may be conducted remotely through telephone, webex, and/or on-site at the vendor's location or at DNR field offices.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			7.3 Training Materials
The software must come equipped with easy-to-understand user's manual and training materials. Materials should provide step-by-step descriptions for common tasks.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			7.4 Online Help
The vendor should provide an online help facility. The facility should be context specific (e.g., if editing, only help on editing functions shall be displayed, with an option for help on other items). The facility should also provide online instructional documents and videos for common tasks that can be accessed at any time by users looking to quickly refresh their skills or to learn new tasks.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			7.5 Technical Support
Technical support must be available during standard DNR business hours (Monday-Friday, 8:00 a.m.-5:00 p.m. CST/CDT and MST/MDT) and during flood emergencies. Technical support may be provided via phone, email, web, remote connection to our database, or a site-visit at the vendor's expense if a problem cannot be otherwise resolved.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			7.6 Initial Support
The vendor is required to provide unlimited technical support for the software for one year from the date of first installation on DNR computers. Technical support must include the establishment of a full functioning software installation at DNR and must include the successful interfacing of the software with existing DNR data collection and dissemination (e.g., ftp, internet, intranet) systems.			
NOTES/COMMENTS:			

YES	NO	NO & PROVIDE ALTERNATIVE	
			7.7 Ongoing Support and Maintenance
Technical support and maintenance after one year from date of first installation at DNR may be required. Cost for this service(s) must be specified as an optional item(s) in the proposal, with acceptance or rejection of the option for extended service at the discretion of DNR, as a separate line item without influence on the cost of the remainder of the proposal.			
NOTES/COMMENTS:			